



Bismuth Brass (% Max. unless shown as range or min.)

Family	Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Sb%	Ni%	S%	P%	Al%	Mn%	Si%	Bi%	Others
Bismuth Brass	C89320	87.0-91.0 ^H	5.0-7.0	0.09	1.0	0.20	0.35	1.0	0.08	0.30	0.005		0.005	4.0-6.0	–
	C89325	84.0-88.0	9.0-11.0	0.10	1.00	0.15	0.50	1.0	0.08	0.10	0.005	–	0.005	2.7-3.7	–
	C89510	86.0-88.0 ^H	4.0-6.0	0.10	4.0-6.0	0.30	0.25	1.0	0.08	0.05	0.005	–	0.005	0.5-1.5 ^J	Se ^K 0.35-0.75
	C89520	85.0-87.0 ^H	4.0-6.0	0.10	4.0-6.0	0.30	0.25	1.0	0.08	0.05	0.005	–	0.005	1.6-2.2 ^J	Se ^K 0.8-1.1
	C89530	84.0-89.0 ^L	3.5-6.0	0.10	7.0-9.0	0.30	0.20	1.0	–	0.05	0.01	–	0.01	1.0-2.0	Se 0.10-0.30
	C89535	84.0-89.0 ^L	2.5-5.5	0.10	5.0-9.0	0.30	0.20	0.30-1.0	–	0.10-0.40	0.010	–	0.010	0.8-2.0	Se 0.5
	C89540	58.0-64.0 ^H	1.2	0.10	32.0-38.0	0.50	–	1.0	–	–	0.10-0.60	–	–	0.6-1.2	Se 0.10
	C89831	87.0-91.0	2.7-3.7	0.10	2.0-4.0	1.00	0.25	1.0	0.08	0.05	0.300	–	0.005	2.7-3.7	–
	C89833	87.0-91.0	4.0-6.0	0.09	2.0-6.0	0.30	0.25	1.0	0.08	0.05	0.005	–	0.005	1.7-2.7	–
	C89835	85.0-89.0	6.0-7.5	0.10	2.0-4.0	0.20	0.35	1.0	0.08	0.10	0.005	–	0.005	1.7-2.7	–
	C89836	87.0-91.0 ^H	4.5-7.0	0.10	2.0-4.0	0.35	0.25	0.90	0.08	0.06	0.005	–	0.005	1.5-2.5	–
	C89837	84.0-88.0	3.0-4.0	0.10	6.0-10.0	0.30	0.25	1.0	0.08	0.05	0.005	–	0.005	0.7-1.2	–
	C89844	83.0-86.0 ^{B,C}	3.0-5.0	0.10	7.0-10.0	0.30	0.25	1.0	0.08	0.05	0.005	–	0.005	0.7-1.2	–

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^B In determining Cu minimum, can be calculated as Cu + Ni.

^C Cu + sum of named elements, 99.3%.

^H Total named elements = 99.5% min.